

XKEYSCORE Workflows

19 September 2011

DERIVED FROM: NSA/CSSM 1-52

DATED: 20070108

DECLASSIFY ON: 20320108

What is a workflow?



- Workflows automate queries.
 - One-time
 - Standing
- Every search type can be a workflow.
 - Same functionality and capability
- Follow on actions
 - Email alert
 - Download actions
 - Metadata summary

Who can submit a workflow?



- Anyone!
- One owner per workflow, but using followon actions:
 - Multiple-users can be notified of results and/or sent summary information
 - Result table can be automatically shared
- If ownership needs to be changed, a ticket can be submitted to the team.

What can I do with a workflow?



- Workflows can be configured to run once
- Workflows can be configured to run daily
 - Every 1, 2, 3, 4, 6, 8, 12 or 24 hours
 - You can set an offset to start running at a certain hour
- Download results
- Email results and email alerts
- MAILORDER results
- MySQL report

Why do I want a workflow?



- XKEYSCORE has a rolling buffer of data
- Repetitive queries
- Sigdev purpose
 - Fingerprint and appid testing
- Queries take a long time during high times
- Follow on actions
 - Google Earth data
 - Statistics
 - Customizable write a script!



Two main ways

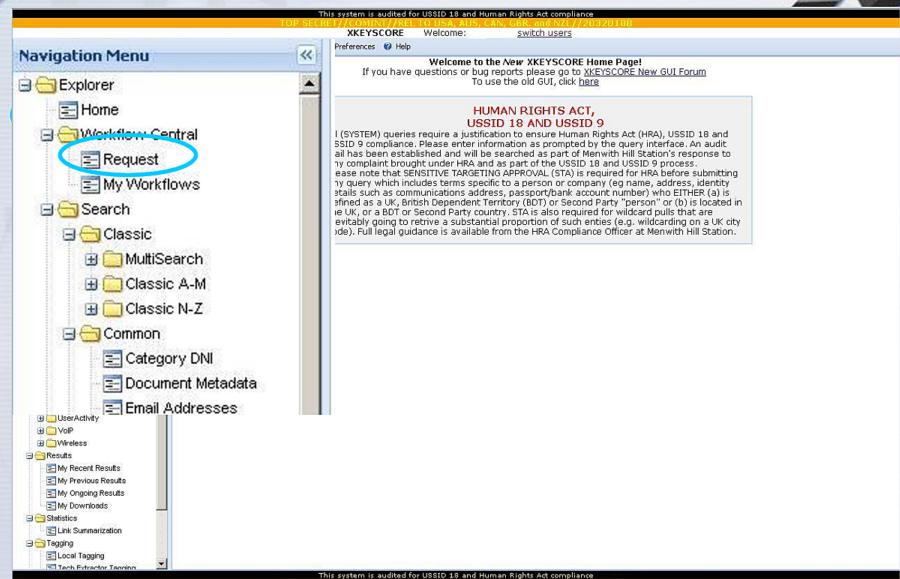
- Based on the results of a recent query
 - Simplifies the process & more likely to produce the desired result!
 - This is done by right-clicking on the result set from the desired query and selecting Create Workflow from this Search. This populates the Workflow Wizard with the same criteria that was used by the selected query.
- From scratch using the Workflow Wizard
 - Not recommended but we'll show you anyway



- The next ten slides demonstrate how to step through the workflow wizard from scratch
- But if you create the workflow from an existing query result many of the steps will already be correctly populated!
 Right click to get the

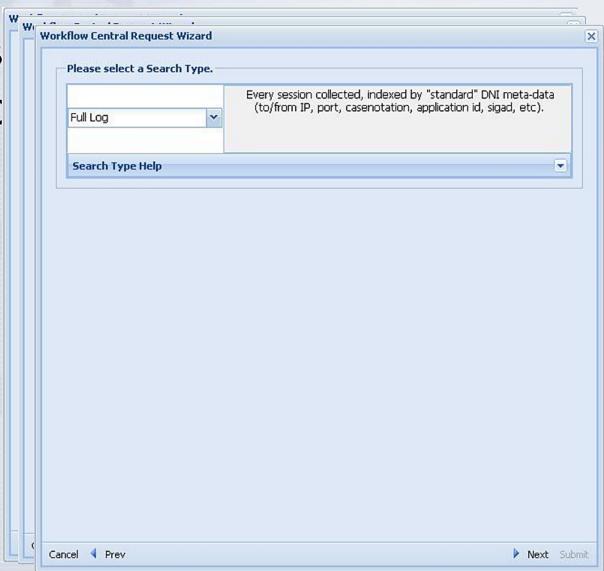






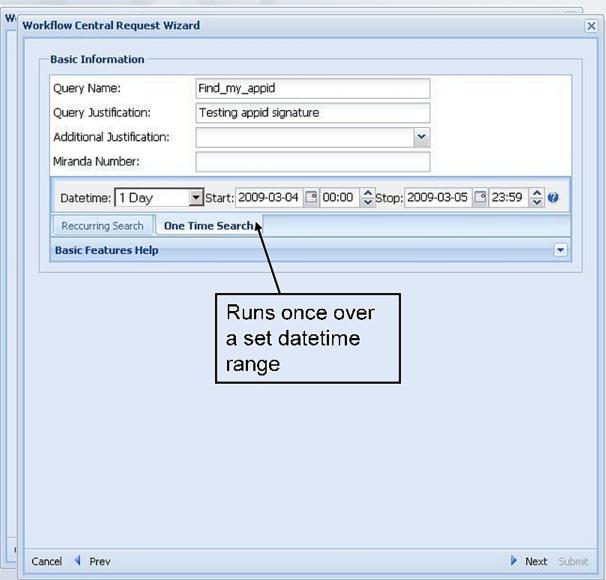


First, s workflc



a





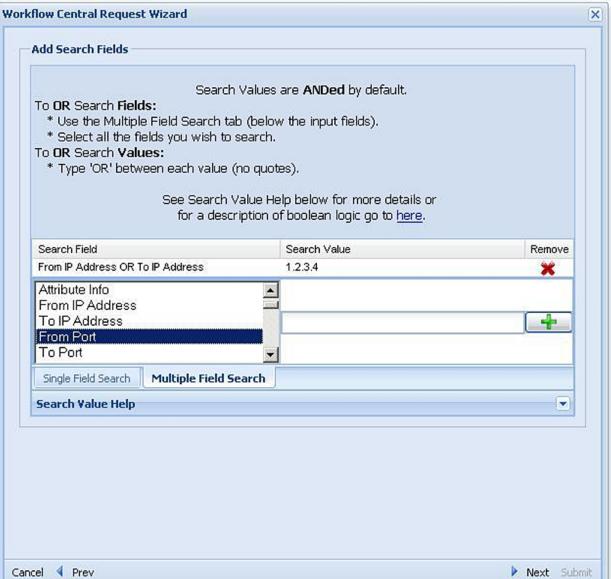
ring or one-

ist be unique per user must have a justification justifications

ELEXACORE

Selec searc

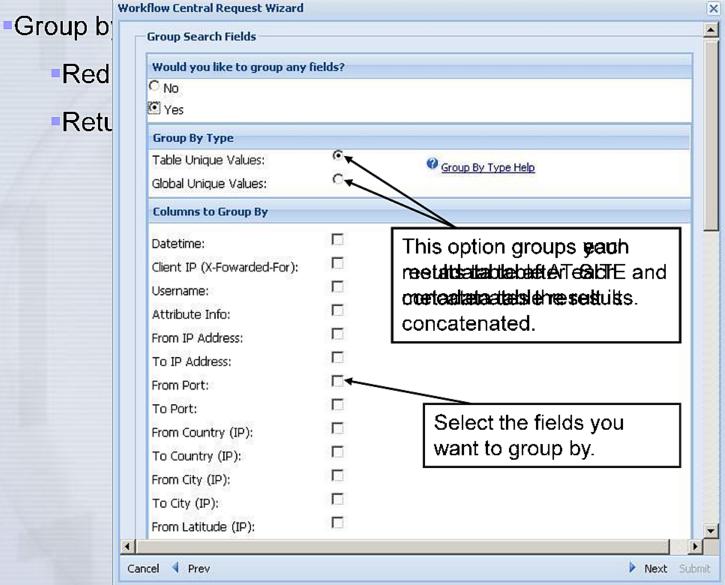
Select a field to search



ant to

or every field, ou must select ie PLUS key

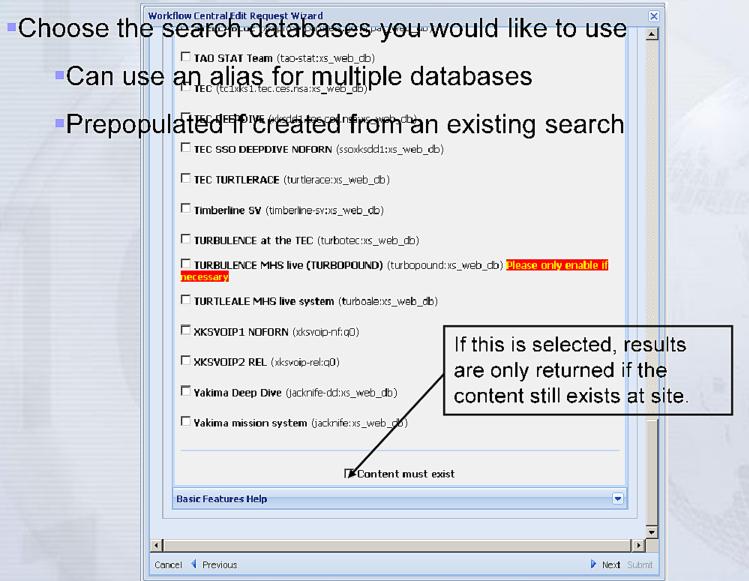
Group by option



ta results.

Select databases





SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL

Follow on Actions



-Allows your alter your reculte Follow-on Actions Allows y Would you like to add any follow on actions location. O No Yes Script Script Arguments Add Allows y Email To: Email Alert ROWR: ☐ Return Only With Results Email Alert 🔻 Allows y Share Results: Share Results with users above SQL Report Download Sessi An email is sent out once Find and Foward your workflow is completed. Setup a MySQL statement to alter your results Download your results to another location. Used to forward VoIP to NUCLEON Cancel

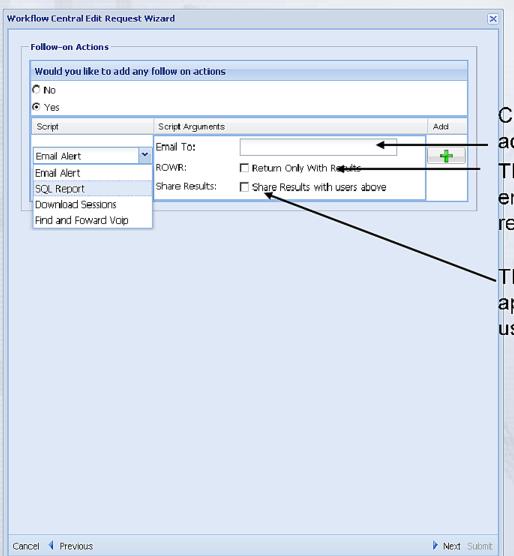
Previous Next Submit

content) to another

SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL

Email alert





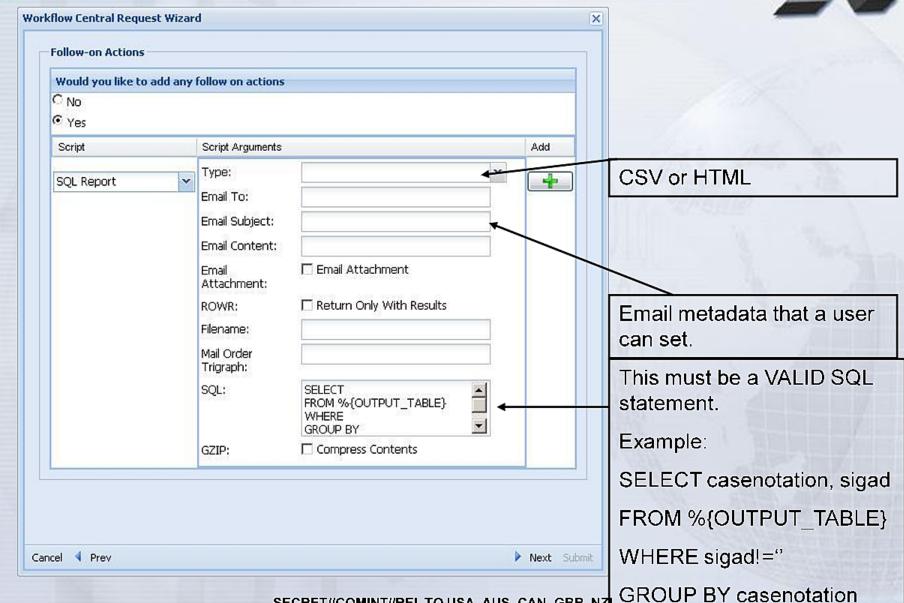
Comma delimited email addresses.

This option only sends an email if you workflow has results.

This will make the results appear for all of the listed users

SQL report





SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZ

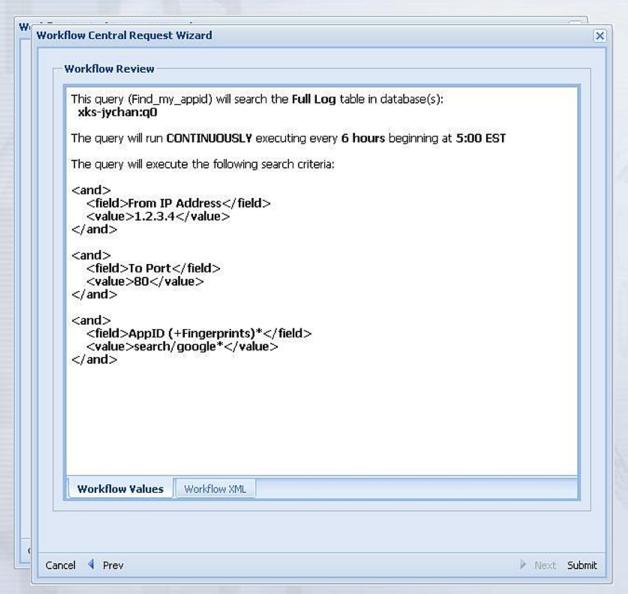
Download Results



Yes Script Script Arguments Add Download Sessions V Email To: Email Subject:
Download Sessions VErnail To:
Download Sessions Email To:
Email Content: ROWR:

You're almost done!



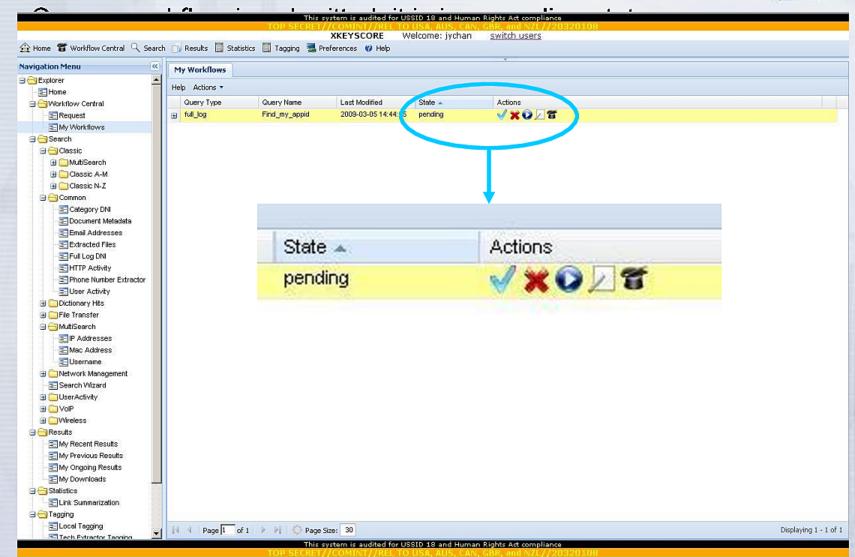


SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL

SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL

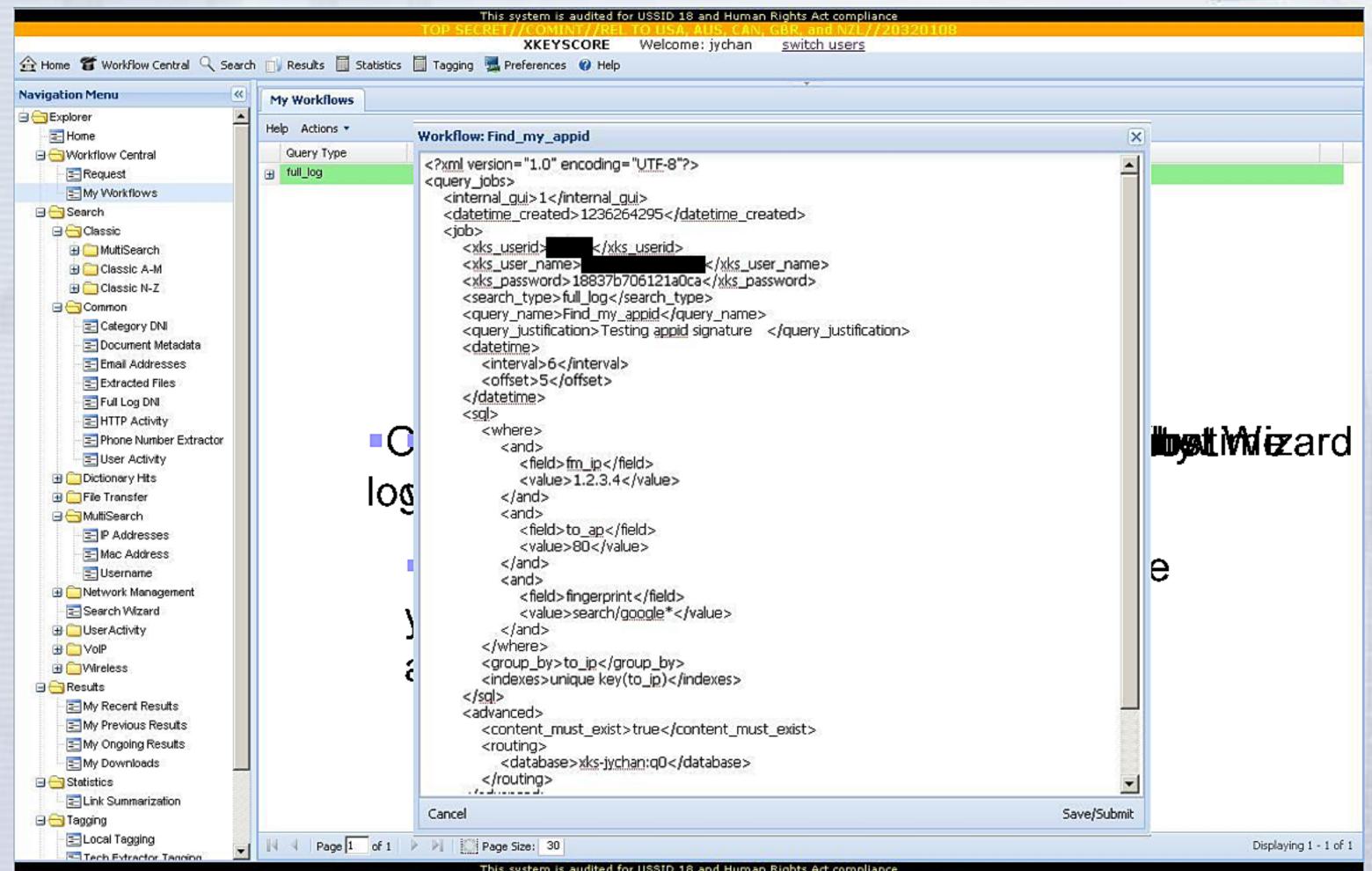
Workflow Pending





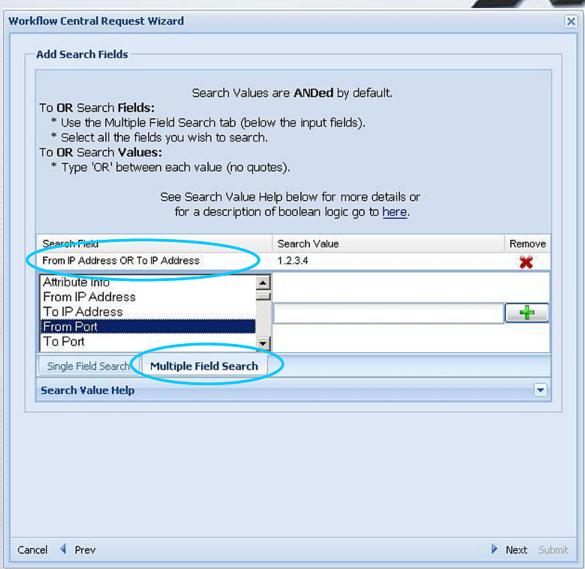
Workflow Approved





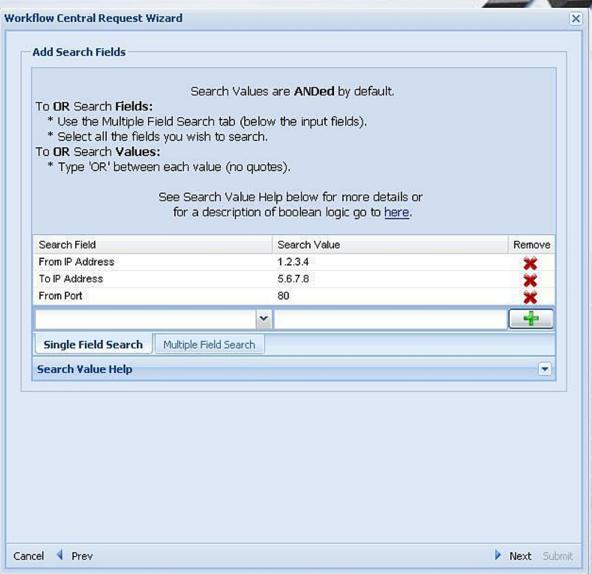
CIET SCORE

- From IP and To IP with the same value.
- In this view, terms are ANDed together.
- Use Multiple Field Search Tab.



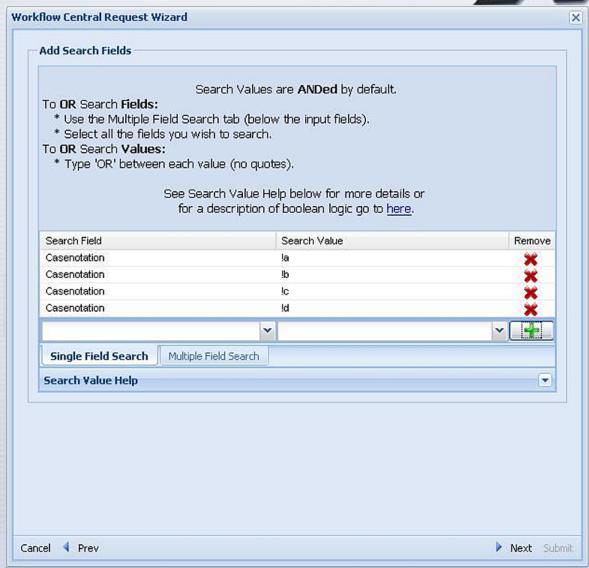
CIETSCORE

- *Using the multiple field search does not break this up into 3 search<->value pairs.
- Enter each term separately in the singe fieldsearch.

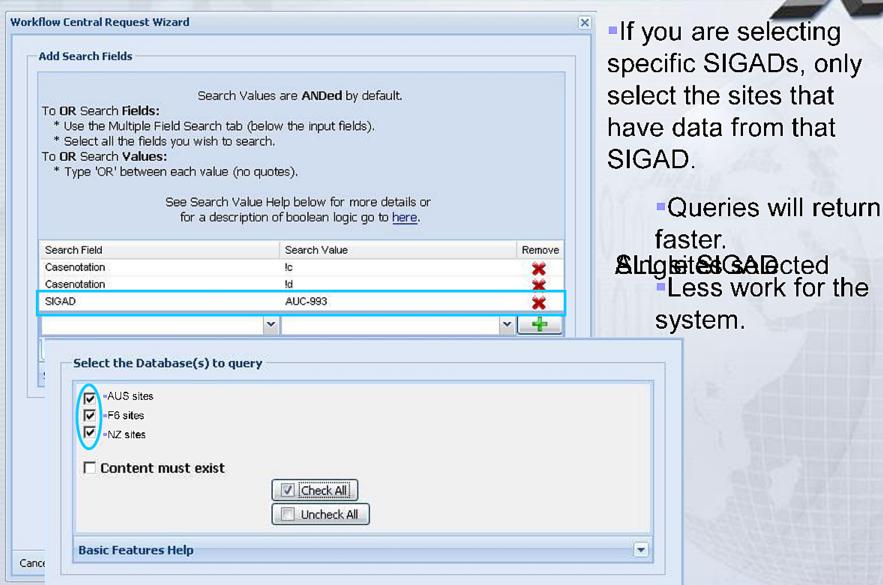


CIETSCORE

- This will return ALL casenotations.
 - a will be deafeted by "!a" but a does equal "!b"
- All the defeated values must be ANDed together.







SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL



If you select the SQL Report option, make sure you put a valid SQL statement!

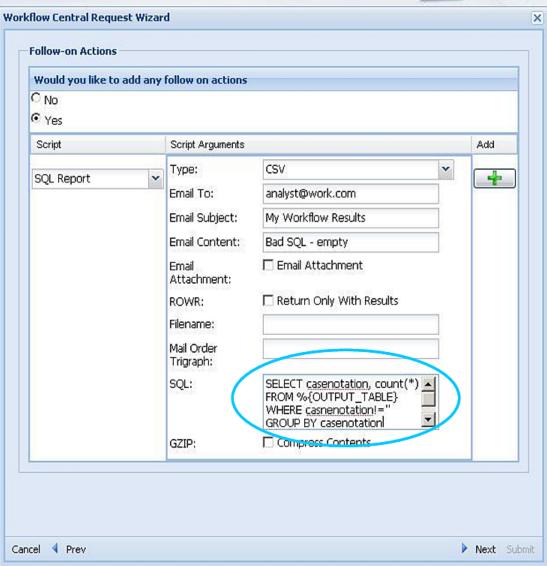
SQL statement filled in:

SELECT casenotation, courE(N)PTY

FROM (CUTPUT_TABLE)

WHERE casenotation!="

GROUP BY casenotation





Questions? xks_workflow@r1.r.nsa